SBR No. 25/23-24
DATED 26-06-2023

Original/Duplicate/Triplicate

# CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR.No.....

No. 8th RA bill

Date.....Dt.....2023

Division: **Electrical (yelahanka)**

Sub-Division: **Electricals**

Bill Received No. Dated Divisional / Sub Divisional

Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account : **P 0300** M&R to Street lights - Replacement of Burnt bulbs etc

**Job Code :-006-22-000007**

D.R.No. : **Period 01-03-2023 to 31-03-2023 (for 1months)**

**Name of Work** : ***Annual Maintenance and repairs of street lights in ward no 06 Package Y-06 of Yelahanka Zone"***

Name of Contractor and Full Address:**Sri Pradeepkumar S.N. Pro of M/s Ganga Enterprises**

Reference to Agreement No:- EE/Ele/YZ/AG/000006/2022-23 Date:01/04/2022

Reference to Work order No:- EE/Ele/YZ/WO/000006/2022-23 Date:01/04/2022

Certified that the measurements were taken by me on 5/4/23 and recorded of Pages 260246 to 248 of measurement Book No. 2603/22-23 and that the work is satisfactorily executed.

**Contractor** **Officer-in-charge of work**

Certified that the measurement were taken by me on 5/4/23 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

IC **Sub-Division Officer**

II Memorandum of Payment

| | | |
|---|---|---|
| 1) | Total value of work done or supplies made as per account within | UP.DT 6726131·64 |
| 2) | Deduct amount to be held in reserve being .....percent Rs..... | P.Bill 6249963:39 |
| 3) | " Balance | STRASH 476168:00 |
| 4) | Deduct Payment: | |
| a) | Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount..... adjusted towards cash advance recovery of | IT 1% 4762:00<br>LWF(-) 4762:00<br>CBF 0.1% 476:00 |
| b) | Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash. | Cons 1% 4762:00<br>Sus 1% 4762:00<br>Fine 5500:00 |
| 5) | Balance being unpaid value of work done held in reserve. | Security 9523:00 |
| 6) | Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments. | less Excess Paid in Rabi'll item No 12 qty 2859:00 |
| 7) | Net amount due to or from Contractor unadjustments items. | less Excess Cost paid in Rabi'll No 6 & in No 19.20 Amount 40812:00 |
| 8) | Advance to Contractor for materials brought to site (as detailed) within. | Deductions 78218:00 |
| 9) | Value of Government materials supplied. | by Cheque 397950 |
| | Total amount adjusted | |

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For use in the Office)

Witness

1.

2.

Stamp

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....Initials of Officer making payment

P0300 Maintenance

ರೂ 476168:00 ಅಂದಾಜು ಮೊತ್ತ ಸ್ವೀಕರಿಸಿದೆ

ರೂ: 397950:00 ನಿವ್ವಳ ನೀಡಬಹುದಾಗಿದೆ

ರೂ: 78218:00 ಮುಂಗಡಹಣಕ್ಕೆ ಮಾಡಿದೆ

**Executive Engineer**

ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

| Sl. No. | Description of item |
|---|---|
| | **Name of Work :-**Annual Maintenance and repairs of street lights in ward no 06 Package Y -06 of Yelahanka Zone" |
| 1 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems. |
| 2 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems. |
| 3 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems. |
| 4 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems. |
| 5 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems. |
| 6 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems. |
| 7 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems. |
| 8 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system |

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| | | 1 | Months | | Upto Date paid so for 12 Months | | |
| 79x11 Months | 29685.04 | 79.00 | 34.16 | 2698.64 | 79x12 Months | 32383.68 | |
| 45x11 Months | 26809.20 | 45.00 | 54.16 | 2437.20 | 45x12 Months | 29246.40 | |
| 4805x11 Months | 4281255.00 | 4805.00 | 81.00 | 389205.00 | 4805x12 Months | 4670460.00 | |
| 120x11 Months | 120991.20 | 120.00 | 91.66 | 10999.20 | 120x12 Months | 131990.40 | |
| 32x11 Months | 23464.32 | 32.00 | 66.66 | 2133.12 | 32x12 Months | 25597.44 | |
| 727x11 Months | 733005.02 | 727.00 | 91.66 | 66636.82 | 727x12 Months | 799641.84 | |
| 19x11 Months | 22640.97 | 19.00 | 108.33 | 2058.27 | 19x12 Months | 24699.24 | |
| 0 | 0.00 | 0.00 | 125.00 | 0.00 | 0 | 0.00 | |

| | |
|---|---|
| 9 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system |
| 10 | Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) Up to 5 Mtrs Street light pole |
| 11 | Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) 8 Mtr and above Street light pole |
| 12 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. ( Icu = Ics) 100Amps 25kA. |
| 13 | Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm |
| 14 | Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm |
| 15 | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm |
| 16 | Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps |
| 17 | Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers. |
| 18 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP |
| 19 | 1.1 kV, LT Aerial Bunched Cable, confirming to IS-14255: 1995 XLPE insulation Parameter shall be as below<br>1. Hot Set Test<br>a) Elongation under Load: 50% (Max)<br>b) Permanent Elongation After Cooloing: 3% (Max)<br>2. Thermal Aging in oven:<br>a) Tensile Strength: 16 N/mm² (Min)<br>b) Elongation: 375% (Min)<br>3. Water Absorption Test<br>a) Water absorbed: 0.5 mg/cm² (Max)<br>4. Carbon Black Content shall be ranging from 2% to 3%<br>light (Insulated Messenger cum Neutral) 3x25 + 1x25 + 1x16 Sqmm Street |
| 20 | Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control) |
| | **TOTAL Rs** |
| | Add GST 12 % on item no 10 to 18 |
| | TOTAL Rs |
| | Fine imposed for non burning of street lights For the period of 1/03/2023 to 31/03/2023 |
| | As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material |
| | Less Exces paid in Rabill No 6, Item No 17 , Qty 1 No Rate 2859.00 |
| | Less Exces GST Paid In Rabill No 6, Item No 19&20 , Paid 80771.64 - 39959.04 = Excess paid Rs 40812.60 |
| | **GRAND TOTAL** |

Certificate

The above said monthly maintenance work has been carried out satisfactorily

T.G.N. Bandgar

T.G.N. Bandgar 5/4/23

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0.00 | 0.00 | 150.00 | 0.00 | 0 | 0.00 | |
| 45 | 18675.00 | 0.00 | 415.00 | 0.00 | 45 | 18675.00 | |
| 326 | 211900.00 | 0.00 | 650.00 | 0.00 | 326 | 211900.00 | |
| 30 | 115500.00 | 0.00 | 3850.00 | 0.00 | 30 | 115500.00 | |
| 30 | 55500.00 | 0.00 | 1850.00 | 0.00 | 30 | 55500.00 | |
| 218 | 30520.00 | 0.00 | 140.00 | 0.00 | 218 | 30520.00 | |
| 218 | 4360.00 | 0.00 | 20.00 | 0.00 | 218 | 4360.00 | |
| 13 | 80600.00 | 0.00 | 6200.00 | 0.00 | 13 | 80600.00 | |
| 13 | 37167.00 | 0.00 | 2859.00 | 0.00 | 13 | 37167.00 | |
| 15 | 9345.00 | 0.00 | 623 | 0.00 | 15 | 9345.00 | |
| 2.51 | 313750.00 | 0.00 | 125000.00 | 0.00 | 2.51 | 313750.00 | |
| 2.51 | 26355.00 | 0.00 | 10500.00 | 0.00 | 2.51 | 26355.00 | |
| | **6141522.75** | | | **476168.25** | | **6617691.00** | |
| | 108440.64 | | | 0.00 | | 108440.64 | |
| | **6249963.39** | | | **476168.25** | | **6726131.64** | |
| | 48500.00 | | | 5500.00 | | 54000.00 | |
| | 104757.02 | | | 9523.37 | | 114280.38 | |
| | | 1 | 2859.00 | 2859.00 | 1 | 2859.00 | |
| | | | | 40812.60 | | 40812.60 | |
| | **6096706.38** | | | **417473.29** | | **6514179.66** | |